

# Notice of Allowability

Application No.

09/280,541

Examiner

Kevin M. Nguyen

Applicant(s)

HO, JAE-ICK

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 07/12/2004.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

  
**XIAO WU**  
**PRIMARY EXAMINER**

### REASONS FOR ALLOWANCE

1. The rejection of claims 1-4, 6 and 12-15 based on Berner are withdrawn. Claims 1-4, 6 and 12-15 are allowed. Claims 5, 7-11 and 16-20 were allowed in the final Office action (Paper No. 30) mailed on 12 December 2003. Therefore, all claims 1-20 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Base on the appeal brief filed on 07/12/2004, argument 2 at page 17, and especially at page 21, last paragraph through page 22. Accordingly, none of the cited prior arts, alone or in combination, do not teach or fairly suggest an apparatus associated with a method, the apparatus comprising

an interface section indicating whether the display data channel of the monitor is inputted into the computer and outputting a voltage signal reflective of an originally inputted voltage signal, the outputted voltage signal is switched at a different time according to a result of inputting the display data channel, recited in claims 1 and 12

3. The following is an examiner's restatement of reasons for allowance:

Berner teaches the interface circuits (7, 70) (figure 2). Accordingly, the cited prior arts, alone or in combination, do not teach or fairly suggest the interfacing section comprising a Zener diode, a transistor, a relay, a light emitting diode, recited in claims 5 and 17.

Metlitsky et al (previously cited) teaches corrected scanning data with a high voltage data signal for a predetermined time after a first time, and an error scanning data with a false voltage data signal after a second time (figure 3, column 4, line 54

Art Unit: 2674

through column 5, line 11). Accordingly, the cited prior arts, alone or in combination, do not teach or fairly suggest the controller determines that the display data channel is normally inputted into the computer if the interfacing section outputs the same signal as the initial signal at a first time, and after the interfacing section continuous to output the high frequency signal for a predetermined times after the first time, the controller determines that the display data channel is abnormally inputted into the computer if the interfacing section outputs the same signal as the initial signal at a second time, recited in claims 7 and 19.

Kelly (previously cited) teaches the driving device includes a relay switch (70, 72) connecting in parallel. Accordingly, the cited prior arts, alone or in combination, do not teach or fairly suggest the driving device includes a relay coil magnetized connecting in parallel, recited in claims 10 and 16.

These distinct features have been added to the independent claims 1, 5, 7, 10, 12, 16, 17, 19 and render the above limitations are allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Kevin M. Nguyen** whose telephone number is **703-305-6209**. The examiner can normally be reached on MON-THU from 9:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reached on **703-305-4709**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**


**(703) 872-9306 (for Technology Center 2600 only)**

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Kevin M. Nguyen  
Patent Examiner  
Art Unit 2674

KN  
October 28, 2004

  
**XIAO WU**  
**PRIMARY EXAMINER**